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- (71) Applicant (*for all designated States except US*): **FOR-TUM OYJ** [FI/FI]; Keilaniementie 1, FI-02150 ESPOO (FI).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **TIITTA, Marja** [FI/FI]; Viikintie 11 C 102, FI-06150 PORVOO (FI). **LINDBLAD, Marina** [FI/FI]; Kankurinkatu 4 A 14, FI-00150 HELSINKI (FI). **NIEMI, Vesa** [FI/FI]; Ohratie 2, FI-06400 PORVOO (FI).
- (74) Agent: **FORSSÉN & SALOMAA OY**; Eerikinkatu 2, FI-00100 HELSINKI (FI).
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(54) Title: CATALYST AND METHOD FOR THE PREPARATION THEREOF

(57) Abstract: The invention relates to a noble metal catalyst for hydrocarbon conversion, to a method for the preparation thereof based on gas phase technique, to the use of the catalyst in reactions such as ring- opening, isomerisation, alkylation, hydrocarbon reforming, dry reforming, hydrogenation and dehydrogenation reactions, and to a method for the manufacture of middle distillates. Said noble metal catalyst comprises a group VIII metal selected from platinum, palladium, ruthenium, rhodium, iridium, or mixtures of combinations thereof on a support, and the catalyst activates carbon monoxide at a temperature below 323 K.

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